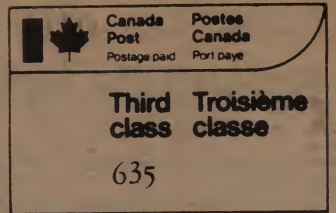




the Ring



"Politics has got so expensive that it takes lots of money to even get beat with."

—Will Rogers (1879-1935)

University of Victoria

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Hare leaving after 20 years

After a 20-year career that began with a group of university theatre enthusiasts in old army huts and culminated with a move to one of the finest academic facilities in North America, Prof. Carl Hare, chairman of UVic's Theatre Department, is moving on.

He has accepted the position of chairman of the Department of Drama at the University of Alberta, effective July 1.

Hare's career at UVic began in 1962 when he returned to begin the development of theatre's courses within the English Department, but he had previously been a faculty member at Victoria College in 1956-57.

"I was the whole 'philosophy department' in that year," recalls Hare, "and I left to do other things. Roger Bishop lured me back in 1962 with a set of army huts and the opportunity to start the theatre program."

In the spring of 1963, building began for the first small studio that later evolved into the Phoenix Theatre.

"It was built by the university faculty, staff and students," says Hare. "Almost half the money came from the Players Club, the amateur student theatre group advised by Roger Bishop, and the university supplied the building's structural renovations. Everybody knew everybody else then and it was a real community effort."

The theatre program, originally intended as a B.A. offering, became a Fine Arts degree program in 1966 when then-president Malcolm Taylor created a School of Fine Arts at UVic.

Hare was acting chairman until the 1968 academic year when he returned to full-time teaching and writing.

In 1969-70 he took study leave at the Laban Studio in England and the Ecole Lacque Lecoq in Paris. When he returned to UVic in 1970 he began an experimental theatre group in Victoria that became Company One the following year.

Company One became internationally known in the next three and a half years for its innovative productions designed for more than 40 different kinds of institutions.

From 1975 to 1977, while on "unassisted leave", Hare taught at the National Theatre School in Montreal and acted and directed professionally. He returned to Montreal for 10 weeks in 1978 to direct at the school and for the Montreal Playwrights' Conference.

He again became chairman of the UVic Theatre Department in 1981 when it became apparent that finances precluded the appointment of an outside candidate for the position.

"My main goal, however, in coming back to UVic after teaching at the National Theatre School was to see the new building planned, built and completed."

Now that this goal has been accomplished, Hare has set his sights on other goals.

Hare feels the UVic Theatre Department is at another crossroads.

"Changes will have to be made to use the available resources most fruitfully and I really believe the department needs somebody completely new to guide it.

"The department is coming to grips with the fact that it cannot staff its present program and therefore cannot continue as it



Hare: heading for Alberta

has. The department had an excellent retreat a week ago and a new approach is emerging. I am very optimistic about the department's future.

"This is the first major change in the department's approach since 1975, but I expect little change in the philosophy. It will in all probability remain a pre-professional program with a strong liberal arts component.

"For myself, I'm looking forward to the additional stimulation that comes from dealing with students in a professional theatre program. The Department of Drama at the University of Alberta is one of the largest and best in Canada, with a conservatory program, an extensive B.A. program and excellent graduate programs.

Hare says he is anticipating the stimulation of working in a city with many, professional outlets. "Edmonton is literally boiling over with theatre. There are about 80 productions a year in a city of just over half a million people."

He does have some regrets about leaving UVic and Victoria. "My wife and I have made very deep ties to this community. Without my wife Clara's contribution, much of what happened in the first five years of the department's growth would not have been possible. Her devotion, as designer, director and organizer, to the development of the theatre program got it off the ground and it was this period that linked the department to the community.

"I think that one of my greatest individual pleasures came from working with (Dr.) Peter Smith (Classics). As an actor, an author and translator, he has participated actively in productions of the department since 1963.

"Working with Bill West on the plans for the building was another enormously satisfying experience.

"I will regret leaving friends, colleagues, staff, this magnificent building and Victoria itself."

First chairman for engineering

Dr. Andreas Antoniou, a world-class engineering researcher in signal processing, has been appointed the founding chairman of the Department of Electrical Engineering in the new Faculty of Engineering at UVic.

Antoniou has been chairman of the Electrical Engineering Department at Concordia University in Montreal since 1977.

He has an impressive track record in both research and as an engineering educator, says Dr. Len Bruton, Dean of Engineering at UVic.

Antoniou, 45, is a Canadian and obtained both his B.Sc. and Ph.D. in Electrical Engineering from the University of London, England, in 1963 and 1966, respectively.

He has extensive experience in industrial electronics research, having worked for the General Electric Co. Ltd. and the Post Office Research Department in England and subsequently for Bell-Northern Research Ltd. in Ottawa where he made significant contributions to the development of Canadian expertise in the area of microelectronic filter design.

Antoniou has published extensively and received prize-winning awards for his research. His textbook, *Digital Filters: Analysis and Design*, is widely used in universities throughout the world.

He has provided outstanding administrative leadership to Concordia University and, as chairman of their Electrical Engineering Department, was responsible for the successful introduction of one of Canada's first B.Sc. programs in Computer Engineering.

His experience in curriculum de-



Antoniou

velopment is highly valued by Bruton, who points out that Antoniou will be responsible for the administration of the new Electrical Engineering curriculum.

In recognition of his achievements, the Institute of Electrical and Electronic Engineers recently elected Antoniou as a Fellow; a prestigious award that is reserved for less than 0.6 per cent of its senior members.

Bruton says he is very pleased that the new Faculty of Engineering has succeeded in attracting an educator and researcher of Dr. Antoniou's calibre and is very much looking forward to working with him, starting in July, to build a world-class engineering school in Victoria.

Tranquility threatened?

Dr. Richard Powers (Political Science) finds it "preposterous" that the Board of Governors may be considering the elimination of a ratification vote by faculty in the selection procedures for senior academics at UVic.

"I can't believe the Board of Governors is contemplating something like that," Powers told the May 4 meeting of the Senate. "That kind of mentality is more appropriate to the late 1960s.

"We've had tranquility on this campus for a decade and in large measure it is because of the procedures that are now in place."

Powers was commenting on a decision by the Board of Governors, April 18, to defer approval of revised procedures for selection of a dean of Education "until it can be reviewed by the university operations committee in conjunction with other procedures."

The major revision in the procedures in Education approved by the Senate was the inclusion of a ballot among faculty members in Education on any candidates selected by a search committee.

"The request for the revision was merely to bring Education's procedures in line with other procedures for deans," said Powers.

"I'm not presuming to tell the Board how to conduct its business but it would seem to me there would have been almost a pro forma acceptance."

Powers said it would be "extraordinary" if the BOG is considering altering the procedures in the area of a ratification vote by faculty.

The procedures, known as the 'Petch procedures' were developed over two years and formally adopted in 1977. "They have resulted in two decisions with which I did not personally agree," said Powers. "However, those decisions point out the very validating nature of the procedures."

Powers said the Petch procedures along with other procedures adopted on campus have served to pre-empt any crises that might arise. "The suggestion that the Board of Governors or some of its members are trying to create a crisis by attempting to withdraw a particular right of the faculty is something I find preposterous."

Scientists hold huge gathering

The largest scientific gathering ever held in Victoria begins May 11 on the UVic campus.

About 1,200 scientists from around the world are expected to attend the three day combined annual meetings of the Geological Association of Canada, the Mineralogical Association of Canada and the Canadian Geophysical Union.

UVic professors from the Physics Department are among more than 400 scientists who will be presenting papers on subjects including offshore oil and mineral potential, earthquakes and landslide hazards and geothermal energy.

UVic and the provincial Ministry of Energy, Mines and Petroleum Resources are co-hosting the conference. Dr. John Weaver, chairman of the Physics Department, is a member of the organizing committee which was established in 1978.

The conference is being co-ordinated through Extension's conference services division and will make use of all major meeting places on campus from May 11 to 13, including the University Centre Auditorium, SUB theatre and east-west lounge and large lecture rooms in the Begbie, Elliott, MacLaurin and Cornett Buildings.

There will be large commercial displays and exhibits of research. Field trips are planned to various spots on Vancouver Island, the Queen Charlotte Islands, Mt. St. Helen's and the Hawaiian volcanoes in connection with the meetings.

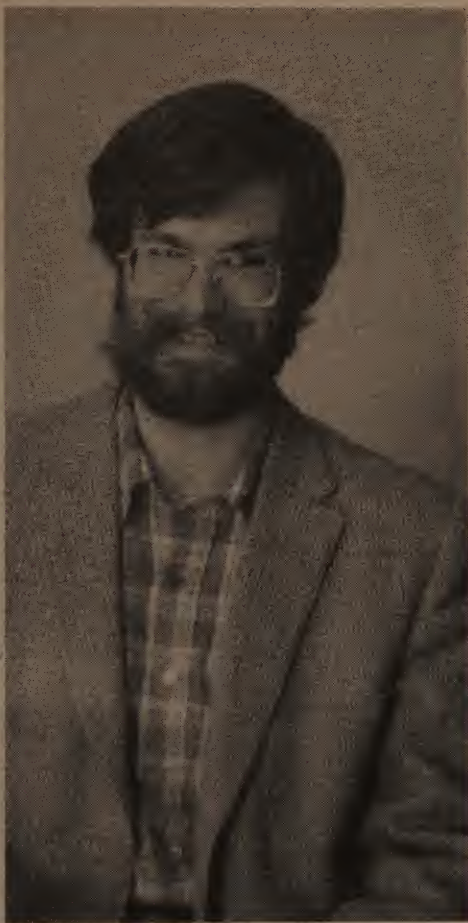
Students from the departments of Geography and Physics will be assisting at the conferences.

The conference next week is the third major conference to be held on campus in the past year in which professors and students in the Physics Department have been involved.

The Physics Department is also hosting the joint annual meeting of the Canadian Association of Physicists and the Canadian Astronomical Society June 26 to 30 on campus.

Dr. Colin Scarfe (Physics) is chairman of the organizing committee for this conference which is expected to attract more than 500 delegates from across Canada.

He's ambling to Ottawa to protest the Cruise



Chamberlain: a personal statement

Chamberlain has been concerned about the nuclear arms race for some time but the idea of a personal protest did not emerge until he signed a petition calling for the banning of tests of the Cruise in Canada.

"I started thinking about all the petitions that had been signed and how they would probably be filed away somewhere, and I decided to make a more personal statement than a signature."

Chamberlain says he is like many young Canadians, finishing school and thinking about what he is going to do with his life, about how well he can live. "There is a growing feeling among young people that there is no future to live for, so why bother doing anything?"

"The nuclear arms race saps motivation and renders people passive. I believe you have to actively confront something that renders you passive. I also believe it would be well for other Canadians to actively confront any despair they feel about this issue."

The despair has intensified in recent years with the Reagan administration's apparent belief that nuclear weapons can and should be used to win a confrontation with Russia, says Chamberlain. "This is a fairly new position in the U.S. that such a war can be won."

"I am disturbed by the paradox of defending our freedom through a strategy that effectively makes us all hostages."

Chamberlain's argument against the testing of the Cruise is not based on the idealistic notion that if Canada refuses to test the Cruise, it will not be built.

"If we don't allow the tests, they will be made elsewhere," he says. "I believe that Canada can make a much greater contribution to western security by establishing its moral credibility in not testing the Cruise than by testing the weapon."

"The governments of both superpowers agree that sooner or later Russia and the United States are going to have to sit down and find some way of handling nuclear weapons. At that time, if Canada has demonstrated moral credibility in the international world, this country can play an important role as a moral power in these negotiations."

Chamberlain has not decided on a whim to walk to Ottawa, but has done some careful planning. A handyman, he built his cart, a kind of rickshaw in which he carries his tent, clothing, stove and books. "I plan to be self-sufficient as much as possible."

Never a runner or marathoner, he has been a short-distance walker all his life and went to see a podiatrist to see what kind of shape his feet are in. "The doctor thinks I'll make it if I learn to amble," he says. "I have a tendency to walk very fast and I'll have to break that habit to last the distance."

He plans to start with 10 miles of walking a day, increasing it to about 30 miles a day as he goes along. He will also be in contact with disarmament groups in cities across the country, picking up petitions to deliver in Ottawa.

"When I first planned this walk, I planned to do it without any publicity. It is a personal statement. My friends told me that I should make some noise and get other people involved. I would like to see others involved, but in their own personal way, making their statement as strongly as they can."

Patrick Chamberlain is one of a growing number of Canadians who are making personal statements of protest against the proposed testing by the United States of the Cruise missile in Canada.

This week the 27-year-old UVic student in honors philosophy set off from "Mile 0" of the trans-Canada highway on what he expects to be a 4,800-kilometre "amble" to Ottawa.

He left Victoria pulling a cart he had built himself and with the blessings and financial support (up to \$500) of UVic's Alma Mater Society (AMS).

"I won't be asking people to sign petitions," explains Chamberlain. "I will pick up petitions to deliver to Ottawa if people want to give them to me, but basically, this is my way of making as strong a personal statement as I can about the testing of the Cruise."

Chamberlain expects the walk to take about five months and says he hopes to talk to Prime Minister Pierre Trudeau when he arrives in Ottawa. "I'll be studying the literature on the Cruise and deterrence strategy and writing my own message to the government on the way."

He hopes to talk to people along the way about the issue and expects to hear from those who feel that nuclear weapons are a necessary part of western defense. "I think those concerned about the nuclear buildup have to be prepared to listen to the other side," he says. "It's an emotional issue."

Chamberlain says he does not believe in unilateral disarmament. "We have to recognize the Soviet threat but we must also recognize that our response to that threat is threatening the existence of the world."

High school seniors visit campus

Many future UVic students will be among more than 350 senior high school students expected to attend a one-day orientation May 25 on campus.

Grade 11 and 12 students from Vancouver Island, Vancouver and the Lower Mainland will spend the day finding out first-hand about what UVic has to offer.

The students will be greeted by President Dr. Howard Petch and Ted Sawchuck, director of Student and Ancillary Services. They will have an opportunity to attend presentations by UVic's five undergraduate Faculties and the Faculty of Law and attend workshops on co-operative education, student financial aid and counselling services.

They'll also be able to visit the residen-

ces and the McKinnon Centre and receive tips on registering and filling out a timetable.

There will be time for individual visits to departments and schools on campus and a closing reception in the lobby of University Centre.

"The majority of our new year one students are from Victoria High Schools and the orientation day gives them an opportunity to find out more about UVic," explains David Glen, director of Admission Services which organizes orientation days.

"Faculties and departments have been very helpful and enthusiastic about the program," he adds. "The students will be able to get a real taste of university life."

Vikings win the Cup and Island

The 1982-83 academic year is over for most students but the amazing UVic Vikings soccer team continues its triumphant season.

The Vikings scored in the last five seconds of overtime May 1 to defeat the Victoria Athletics 3-2 for the championship of the Vancouver Island Soccer League (VISL).

The VISL is generally regarded as the best amateur soccer league in Canada.

The first league championship for UVic follows on the heels of the

team's first-ever Jackson Cup triumph over the same Athletics.

In the league championship game the Athletics who finished first in VISL league play and the Vikings were tied 1-1 at the end of regulation play.

The Athletics stormed to the attack in overtime and quickly took a 2-1 lead. The Vikings rallied to tie the game on a goal by Scott Dupre with seven minutes left and with five seconds left in overtime, a goal credited to Dave Secco put the Vikings into the B.C. championship.

The win also created a problem for coach Brian Hughes. His players have finished their university year and many have left Victoria for jobs or homes elsewhere.

The B.C. championship takes place May 14 and 15 in Vancouver. "I'll have to do some counting of heads to see who is available and who isn't for the championship," said a delighted Hughes after the Island championship game.

"The lads really want to go for the B.C. championship, so if at all possible, we'll be there."

For the Vikings, the long season includes a Canada West University Athletic Association (CWUAA) crown in the fall of 1982 and a 1-0 loss to McGill in the Canadian Interuniversity Athletic Union (CIAU) championship game.

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Concert features Kling and Wood

Johannes Brahms was born on May 7, 1833. To mark the sesquicentenary of this master composer, the University of Victoria School of Music is presenting a special recital May 7.

The performance, which begins at 8 p.m. in the Recital Hall of the Music Building, features distinguished artists and faculty members Paul Kling (violin) and Robin Wood (piano).

Capacity audiences have enthusiastically received previous recitals by this duo, and their upcoming performance promises the same response.

The program includes all the sonatas written by Brahms for violin and piano—Opus 78, in G Major; Opus 100, in A Major;

Opus 108, in d minor; and the third movement (Allegro) from the "F.A.E. Sonata".

The latter was a collaborative work written by Schumann, Dietrich, and Brahms as a surprise for their revered friend and master violinist, Joseph Joachim. The Sonata takes its name from the initials of bachelor Joachim's motto, "Frei aber einsam" ("Free but lonely") and also represents the recurrence of the notes, F, A and E throughout the work.

Tickets, at \$5 for adults and \$3 for students and senior citizens, can be purchased from the School of Music, 8:30 a.m. to 4:30 p.m. weekdays, and at the door.

Proceeds from the performance will benefit a scholarship for string students.

She's accepted challenges in thorny campus areas



Rooke: producing her first Malahat Review

By Edith Knott

Some people thrive on challenges. Dr. Constance Rooke (English) is definitely one of this breed. In the past few years she has taken on several challenges in controversial areas.

As director of the Learning and Teaching Centre on campus for the past two years, Rooke recently brought out a report calling for the evaluation of teaching, a contentious issue. (See story, this page.)

She's one of the prime movers in the Women's Studies Program which endeavors to promote a greater awareness of women's accomplishments throughout history.

This spring, Rooke, a writer of short stories, became the new editor of the beleaguered *Malahat Review* which has taken a severe cut in funding. Prof. Robin Skelton (Creative Writing), co-founder and managing editor of the UVic magazine for the past 16 years, resigned following the funding cut from \$40,642 to \$13,255.

"The *Malahat Review* was the one thing I was familiar with when I came to the UVic campus in 1969," she says. "As editor of the *Carolina Quarterly* at the

University of North Carolina, I was already aware of the *Malahat's* prestigious reputation."

Although the UVic magazine enjoys this reputation in many parts of the world, the involvement of the UVic community in the *Malahat Review* has been small. "Subscriptions to the magazine at UVic are so few I'd be embarrassed to say the number," says Rooke who is hoping this situation will change.

Two years ago Rooke was appointed fiction editor of the *Malahat* under editor Skelton. "Because of funding there was a threat to the magazine's existence—it was thought it might have to be closed down. Robin was talking about leaving. I presented the administration with a modest budget, just enough to survive on with an increase in subscriptions, proposing that the magazine could be saved and that it was in the best interest of UVic to do so.

"We made representations to the Canada Council and the B.C. Cultural Fund and we have just managed to put together a tight budget."

The magazine will have fewer pages but will look the same, with the color surround and art on the cover. However, the Review will be more strictly a literary magazine and will have less artwork.

"And it will be more distinctly Canadian," says Rooke. "I hope to serve the Canadian literary community, but as I don't wish to be too parochial, its contents will not be exclusively Canadian. Canada needs its literary magazines and I think the *Malahat Review* can be one of the best in the country."

The first criteria for contributions is that they be interesting with excellent writing. The magazine will publish fiction, non-fiction and poetry. Rooke has accepted for publication several stories and groups of poems by UVic students. "These are among some of the most exciting works I have accepted," she says.

"I like the editorial task of finding a manuscript and seeing a way to improve it. There is less of this kind of editing done in Canada, but I believe it to be a major function of an editor."

The first issue under Rooke's helm is already at press and will come out at the end of July. Anyone wishing to take out a subscription can telephone the *Malahat Review* office (8524) any morning Monday to Thursday or drop a note. The subscription rate is \$15 a year for the three issues which appear in July, October and February. Helen Harris is continuing as secretary to the Review. Dr. Stephen Scobie (English) has been appointed Associate Editor.

Rooke's main area of teaching is American fiction and Canadian literature. She has, as well, for the past six years taught courses related to Women's Studies, and was one of the main movers in the establishment of the program.

"It was my belief that a women's studies program was necessary," says Rooke. "There was a feeling among many people that women and women's accomplishments were, in varying degrees, excluded, under-represented or distorted in the presentation of material in existing academic disciplines."

The Women's Studies Program functions as a separate program, has its own budget and steering committee and consists of two courses, 200A and 200B.

The purpose of the program is to supply students with some perspective that will enable them to question what's taught, and to help them be more critically aware and confident of their own insights.

"For instance, in a history class, attention may not be given to contributions by women. The Women's Studies courses help students not only to question what's being taught but also to help in reshaping the thinking in those courses," Rooke points out.

"The prevailing view of the world is a masculine one. Many women tend to suppress their views or perspectives to meet the approval of a masculine world. But," she emphasizes, "we have had some wonderful students in Women's Studies with a good intellectual level."

Rooke recently took part in a seminar organized by University Extension April 29 and 30, "Ten Years of Research on Women's Issues". The seminar looked at women in the professions, the labor field, as homemakers and (presented by Rooke) women in the arts.

What's been happening in the last 10 years? "The gap in salaries paid to men and women is generally widening," says Rooke. "There has been an enormous number of reports showing that women are poorly paid, that there is a small percentage of women in the upper levels of any field, but the situation is not changing, except very slowly."

Various recommendations to correct the situation have been made by one body after another. Not many recommendations have been implemented. Why not?

Rooke says simply "it's a sexist society. The holders of privilege are reluctant to give it up." She further points out, "where there has been a conflict between a woman's interest and a man's it's always been thought that the woman was the one who should bend. As well, pressures from other parts of a woman's life have intervened so that her career is not pursued so single-mindedly."

Rooke says women have been under-represented in juries for Canada Council Grant Programs and this has had an effect on women's success in the arts.

Rooke was born in New York City and graduated with an honors degree in English from Smith College. She earned a Ph.D. in English at the University of North Carolina at Chapel Hill, where she met her husband, writer Leon Rooke. They have one son, 12-year-old Jonathan. Rooke started writing fiction about five years ago and has written 10 stories all of which have been published. She hopes to put together a book of short stories.

"I recently took part in a festival of women writers at Open Space," says Rooke. "Fifteen women read their work over a two-day period. It was quite inspiring. I just after time to do more writing."

As well as fiction, Rooke has had published critical articles about American, Canadian and British writers. Her book on contemporary American novelist, Reynolds Price, is presently being published.

Senate orders survey of teaching evaluation methods

Dr. Constance Rooke (English), director of the Learning and Teaching Centre on campus, is convinced that many university teachers are not going to start working towards improving teaching unless spurred to do so.

The spur that she has recommended is evaluation.

As a result of a report by Rooke calling for the evaluation of teaching at UVic, the Senate committee on teaching and learning presented a two-part motion to the May 4 meeting of Senate.

The committee asked that the president request departments to demonstrate the active implementation of Item 10 in the tenure document which identifies teaching effectiveness as a criterion for decisions about re-appointments, tenure and salary.

At the May 4 meeting, the Senate tabled this motion and asked the Teaching and Learning Committee to conduct a survey of all departments on campus to ascertain the teaching evaluation methods now used for re-appointment, promotion, tenure and salary.

Dr. Bill Gordon (Mathematics) said a survey should be undertaken before Senate deals with the motion. "Otherwise, it's a bit like asking Senate to answer the question, 'have you stopped beating your wife?'"

Dr. Michael Best (English) said Senate should have the facts about the variety of evaluation on campus before making a decision.

Dr. Reg Mitchell (Chemistry) said Rooke's report was an excellent one. "I recommend it to every faculty member but it does not prove that teaching effectiveness can be evaluated and I'm voting against the committee's motion."

The committee also asked that the president request the Learning and Teaching Centre to assist departments as far as possible, upon request, to develop and refine systems for the evaluation of teaching.

This request was referred to Dr. Alfred Fischer, Vice-President, Academic, at his request. Fischer pointed out that he is preparing a report for the September meeting of Senate dealing with the Learning and Teaching Centre. "I don't think we should deal with this motion until after Senate deals with that report," he said.

"We might find out, just as an example, that the Learning and Teaching Centre doesn't exist after the September meeting."

Interviewed prior to the Senate meeting, Rooke said the Learning and Teaching Centre was established on campus to improve the quality of teaching on campus and to inspire university teachers to improve.

"It's a peculiar situation," says Rooke. "A university teacher is not trained to teach."

"Although some very good programs and workshops have been developed and participants have been enthusiastic, we have not reached the number of people we had hoped to reach," says Rooke.

"Many of us are so busy that the natural tendency is to spend less time and energy on teaching, since the reward is for publishing. I am convinced, and have been for years, that teaching has not been sufficiently considered in matters of promotions."

"Progress in academic ranks is determined by publication and research. But a university's primary obligation is to its students—to teach well."

Some people believe it is impossible to evaluate teaching, but Rooke says she has come to believe "it is possible to evaluate well enough that we ought to be doing it."

In her report Rooke points out that almost all Canadian universities employ student questionnaires to evaluate teaching. "Questionnaires provide instructors with feedback which may assist them to improve their teaching." These can be supplemented with evaluation of other data such as instructor-produced material including essay topics, examination questions, handouts, study guides and by peer observation, Rooke maintains.

"The need to evaluate teaching is clear, above all because evaluation leads to improvement," she says. "Beyond that, the tenure document requires that evidence of teaching effectiveness be supplied in a wide range of personnel decisions, including matters of salary."

"It would appear that teaching is not given the weight intended by the tenure document, perhaps because departments may not have gathered sufficient evidence."

Rooke points out that a single, elaborately designed, campus-wide system for evaluation of teaching would probably not be practical at the present time.

"The department (or school or faculty) seems a desirable level at which to define a system of evaluation, since the system could then be designed around the needs and values of a particular discipline."



Dan Berger, a Grade 6 student at Torquay Elementary School, programs school computer to produce and play musical scores.

Computer literacy debated

Computer use in the schools is a grassroots phenomenon created by teachers, students and parents says Barry Underwood, president of the Computer Using Educators of British Columbia (CUE-BC).

More than 300 educators, the majority members of CUE-BC, attended Impact 83, a conference on computer impact in the schools held recently at UVic. They participated in workshops and heard opinions and expertise on computer literacy and computer education in the schools.

Included in the conference were public sessions involving displays of computer programs developed by students from Kindergarten to Grade 12 in Victoria.

"The real push for computer education and literacy is coming from the grassroots, the parents who are buying for their kids and the teachers who stay after school to work with them," asserts Underwood. "The school superintendents, boards and the Ministry of Education are not pushing hard enough."

Joan Wilton, a consultant on computer education to the Peel Board of Education in Mississauga, Ontario, Canada's largest school district, was one of the keynote speakers at the conference. She noted that the same grassroots phenomenon is occurring in Ontario, but that the Ministry of Education there has a much more structured approach to supporting computer education in the schools, providing extensive funding as well as policy direction.

A past president of the Educational Computing Organization of Ontario (ECOO), Wilton also serves on the Computer Committee of the Ontario Ministry of Education, and has identified four levels of computer education that must be coordinated. These are the growing computer literacy of certain sectors of the general public, which is providing much of the grassroots push toward computer education; the growing levels of teacher literacy in the field, supported by professional development training; the development of formal curriculums within the school system, and their implementation by ministries of education in conjunction with classroom teachers; and the need to develop leaders in the field to act as consultants and coordinators for curriculum development and implementation.

She notes that universities have a special role in the last two areas.

The second keynote speaker at the conference, Dr. Robert Sylwester, professor of education at the University of Ontario, spoke on the topics of computer literacy and the need to show educators that it is similar to other forms of literacy.

"The education profession is essentially conservative," he suggested, "and we need to show the linkage of computer literacy to something in the profession that is currently understood."

Using illustrations of different kinds of coding mechanisms, such as the genetic code of DNA, the alphabet, and computer languages to explain his point, Sylwester noted that these codes were composed of simple elements. He defined literacy as the ability to understand the very complex

ways these elements were combined. In DNA, four simple nitrogen compounds form rungs on a double helix, that in turn form genes and chromosomes. In increasingly complex sequences, these combinations form the basis for about 40,000 inherited human characteristics.

The same coding mechanisms and sequences using letters, words, sentences, paragraphs and punctuation form our numerous and complicated languages. A similar set of elements and sequences form computer languages and systems.

Much as DNA can be used to reproduce without any understanding of it, and language can be used to communicate without knowledge of its structural elements, so can computer languages be used without understanding them with today's sophisticated computers, but this, suggests Sylwester, is not literacy.

"Literacy is understanding the codes and the sequencing. With understanding comes the ability to manipulate the results."

Sylwester's second point concerned the need to convince the education profession that computer literacy was therefore similar to literacy in other fields and should be taught just as intensively.

"I'm afraid the way we are going is the easiest way; not to teach the coding elements and sequences at all, but to let the machines do it all for us."

Sylwester's views on computer literacy are not shared by all members of the educational profession, suggests Sharon Alexander (Education Extension), chairperson of the conference.

"There is no single definition of computer literacy within the educational profession at this time," she says.

"I think we are dealing with different levels of literacy. There are individuals who are barely literate in their native language and others who are capable of speaking and writing in many languages; the same applies to computer language and literacy."

"The ability to write a business letter, a poem or a witty novel may be another aspect of literacy. Knowing a great deal about a language may help you use it."

"But for many, using a computer will be like driving a car or making a phone call. It's not essential to know everything about either to use them effectively."

Dr. Walter Muir (Education), a participant in the conference, defines computer literacy for teachers as knowledge of the history of computers, the components of a computer system, classroom applications and evaluation methods, awareness of related careers and jobs, and the overall social impact of the technology.

"We have a responsibility to make this knowledge available to our undergraduate students," he notes, "but at this time we have an even bigger job to do in professional development, given the number of teachers in the field and the resources available. I think we are moving appropriately given the complexity of the situation, and the amount of support from government."

calendar

Friday, May 6th.

Maltwood Art Museum and Gallery. Chairs—Montreal Museum of Fine Arts. Continues until June 12. Gallery hours are 10 a.m. to 4 p.m. Monday to Friday, 12 noon to 4 p.m. Sunday, and during evening events at the University Centre Auditorium.
McPherson Library Gallery. Visual Arts Department Grad Shows—Katherine Knight. Continues until May 9. Library hours are 8:30 a.m. to 6 p.m. today. Library is closed May 7 and 8.

Monday, May 9th.

May-August and May-June first term courses begin.

Wednesday, May 11th.

Last day for adding May-June courses which began on May 10. GAC/MAC/CGU Joint Annual Meeting. Continues until May 13. University Centre Auditorium.

8:30 a.m. to 4:30 p.m. Faculty of Graduate Studies meeting. CORN B108.

10:00 a.m. Oral Exam. Peter Williams, M.A. Candidate in Education, will defend his thesis entitled: "Impact of Choices as a Function of Counselor Intervention". MACL 341.

8:15 p.m. RASC Victoria Centre meeting, with Muriel Enock speaking on "Astronomy 1851 Illustrated". ELLI 061.

Thursday, May 12th.

McPherson Library Gallery. Maxwell Bates—Medicine Hat Art Gallery. Landscapes. Continues until June 12. Library hours until July 3 are 8 a.m. to 6 p.m. Monday and Friday, 8 a.m. to 9 p.m. Tues-

day to Thursday, 10 a.m. to 6 p.m. Saturday. Closed Sunday.

Friday, May 13th.

Last day of registration for Inter-session Recreation and Intramurals classes. Registration forms are available at the Recreation Office, MCKI GYM.

Monday, May 16th.

3:00 p.m. Board of Governors meeting. Senate & Board Room, University Centre.

Wednesday, May 18th.

2:00 p.m. Special Senate meeting (tentative). Senate & Board Room, University Centre.

Friday, May 20th.

Last day for adding May-August courses which began on May 10. Last day for withdrawing without penalty of failure from May-June courses which end on June 3. B.C. High School Drama Festival. University Centre Auditorium.

9:30 a.m. to 11:00 a.m.

2:30 p.m. Faculty of Education meeting. MACL D288.

Saturday, May 21st.

11:00 a.m. to 2:30 p.m. B.C. High School Drama Festival. University Centre Auditorium.

Monday, May 23rd.

Victoria Day. University offices closed.

Wednesday, May 25th.

Secondary School Orientation Day. University Centre.

Friday, May 27th.

Registration in the Summer Session for new students must be completed.

ringers

An instructor is required by the Faculty of Education for the 1983-84 academic year for the Hazelton Native Teacher Training Program in Hazelton B.C. The instructor is needed to teach a three-unit first-year mathematics course, "fundamental aspects of mathematics for the elementary teacher." The successful applicant must have at least a masters degree in mathematics with experience in teaching math in the public school system or in working with teaches. Interested applicants should be aware that this is an on-site project located in a native community. Applications and references should be sent to **Dr. Bruce Howe**, Associate Dean of Education.

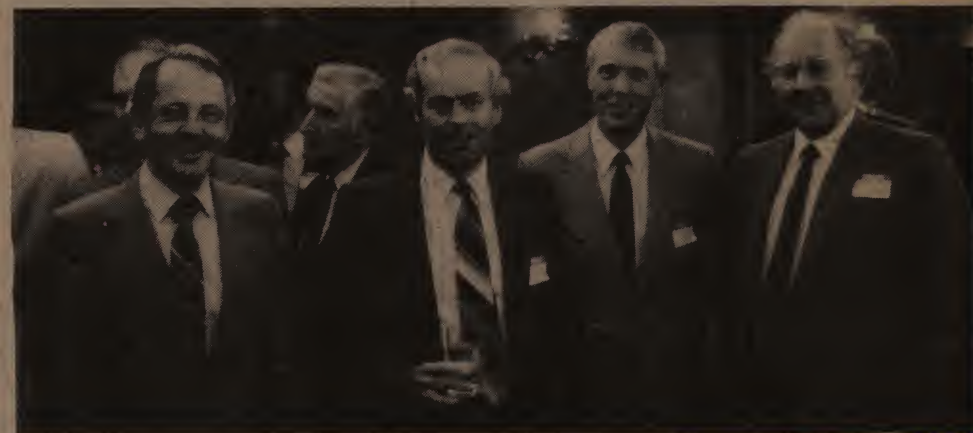
Dr. Alan Gowans (History in Art) is a man who takes the comics seriously. Senior Fellow at the Center for Advanced Study in the Visual Arts in the National Gallery of Art in Washington D.C. for 1982-83, Gowans recently presented a lecture in the national Museum of American History on "E.C. Segar's Popeye and the American Dream". In conjunction with the illustrated lecture, Gowans mounted an exhibition entitled "E.C. Segar's Popeye: American Culture Hero."

UVic's lease on the unfinished CBC Building in downtown Victoria was allowed to lapse at the end of March and the Crown corporation is expected to offer the property for sale to private enterprise. CHEK-TV, a private Victoria station,

has expressed interest in the building which was not finished before federal austerity measures cancelled plans for a Victoria CBC radio and television production centre. UVic signed a 10-year lease for \$1 for the empty building in July of 1981 with plans to use part of the building of 39,500 gross square feet for academic programs and to sublet the rest. The lease was conditional on UVic securing finances to complete the interior the building within a year for educational television production purposes. The university was unable to obtain funding and the agreement terminated at the end of March.

Several students in the Hazelton Native Teacher Training Program will be on campus this summer and urgently need off-campus housing for their families from July 1 to August 20. Anyone who has accommodations available during that time that are reasonable in cost and close to campus can contact **Sharon Alexander** (Education Extension) in MacLaurin 324, telephone 721-7874.

Beginning May 9 until July 3, the main McPherson Library will be open from 8 a.m. to 6 p.m. Monday and Friday and from 8 a.m. to 9 p.m. Tuesday, Wednesday and Thursday. The library will be open Saturday from 10 a.m. to 6 p.m. and closed on Sunday.



The Software Industry Development Association (SIDA), the first organization in Canada designed to bring together people and businesses involved in computer software development, was launched recently in Victoria. Goal of SIDA is development of a self-sufficient B.C. software industry that can export in the billion-dollar world market. More than 100 people showed up for the inaugural meeting hosted by UVic and Discovery Parks Incorporated. Dr. Fred Fischer, UVic's Vice President Academic, (left), Dr. Ian Barrodale, chairman of the board of SIDA, Jim Currie, director of Institutional Analysis at UVic and Senior Vice-president of the B.C. Chamber of Commerce, and Dr. Harley Kelsey, Vice President of Discovery Parks Inc. were among those present.